

South Carolina Retirement System (SCRS)

Executive Summary

	Valuation	Date:
	July 1, 2017	July 1, 2016
Membership		
Number of		
- Active Members	193,985	190,923
- TERI Members	6,630	8,332
- Retirees and Beneficiaries	133,658	129,523
- Inactive Members	176,045	169,806
- Total	510,318	498,584
Projected payroll of active members	\$8,592,885	\$8,213,042
Projected payroll for all members, including		
members in ORP, TERI, and working retirees	\$10,921,112	\$10,497,446
Required Contribution Rates ^{1, 2}		
• Employer contribution rate	14.56%	11.99%
• Member	9.00%	9.09%
Assets	ćar 722 020	¢22.000.202
Market value	\$25,732,829	\$23,996,362
Actuarial value	27,241,570	27,293,968
Return on market value	11.9%	-0.7%
Return on actuarial value	3.7%	3.3%
Ratio of actuarial to market value of assets	105.9%	113.7%
• External cash flow %	-4.2%	-3.9%
Actuarial Information		
Normal cost %	10.72%	10.27%
Actuarial accrued liability (AAL)	\$48,374,725	\$45,859,906
Unfunded actuarial accrued liability (UAAL)	21,133,155	18,565,938
Funded ratio	56.3%	59.5%
• Funding period (years) ³	24	30
Reconciliation of UAAL		
Beginning of Year UAAL	\$18,565,938	\$16,753,255
- Interest on UAAL	1,392,445	1,256,494
- Amortization payment	(1,112,307)	(1,017,186)
- Assumption/method changes	1,309,385	467,722
- Asset experience	1,005,145	1,131,589
- Salary experience	147,345	(17,241)
- Other liability experience	(174,796)	(8,695)
- Legislative Changes	(174,790)	(8,033)
•		
End of Year UAAL	\$21,133,155	\$18,565,938

¹ The required contribution rates shown for 2016 were established by Section 9-1-1085 of the South Carolina Code prior to enactment of the Retirement System Funding and Administration Act of 2017. The required contribution rates shown for 2017 reflect the changes due to the enactment of the Retirement System Funding and Administration Act of 2017. The actual employer contribution rates in effect for FY 2017, FY 2018, and FY 2019, are 11.56%, 13.56%, and 14.56%, respectively. Similarly, the actual member contribution rates in effect for FY 2017, FY 2018, and FY 2019, are 8.66%, 9.00%, and 9.00%, respectively.

³ The funding period for 2017 is determined on an actuarial value of asset basis and is based on the contribution rate scheduled to become effective for FY 2019 (i.e. beginning July 1, 2018 and ending June 30, 2019).



 $^{^{\}rm 2}\,$ The employer contribution rates shown above include the cost of incidental death benefits.

Police Officers Retirement System (PORS)

Executive Summary

	Valuation Date:	
	July 1, 2017	July 1, 2016
Membership		
Number of Active recent are	27.056	20.051
- Active members	27,056	26,651
- Retirees and beneficiaries	17,887	17,288
- Inactive members	16,004	15,001
- Total	60,947	58,940
Projected payroll of active members	\$1,263,314	\$1,187,195
 Projected payroll for all active members, 		
including working retirees	\$1,384,871	\$1,312,199
Required Contribution Rates ^{1, 2}		
Employer contribution rate	17.24%	14.28%
Member	9.75%	9.28%
Assets		
Market value	\$4,274,123	\$3,876,036
Actuarial value	4,480,894	4,354,853
Return on market value	11.8%	-0.7%
Return on actuarial value	4.3%	3.7%
Ratio - actuarial value to market value	104.8%	112.4%
• External cash flow %	-1.4%	-1.8%
Actuarial Information		
Normal cost %	14.73%	14.02%
 Actuarial accrued liability (AAL) 	\$7,109,612	\$6,567,397
 Unfunded actuarial accrued liability (UAAL) 	2,628,718	2,212,544
Funded ratio	63.0%	66.3%
• Funding period (years) ³	23	30
Reconciliation of UAAL		
Beginning of Year UAAL	\$2,212,544	\$1,895,301
- Interest on UAAL	165,941	142,148
- Amortization payment	(144,518)	(123,814)
- Assumption/method changes	213,979	120,909
- Asset experience	142,806	160,261
- Salary experience	70,073	17,265
- Other liability experience	(32,107)	474
- Legislative Changes	0	0
End of Year UAAL	\$2,628,718	\$2,212,544

The required contribution rates shown for 2016 were established by Section 9-11-225 of the South Carolina Code prior to enactment of the Retirement System Funding and Administration Act of 2017. The required contribution rates shown for 2017 reflect the changes due to the enactment of the Retirement System Funding and Administration Act of 2017. The actual employer contribution rates in effect for FY 2017, FY 2018, and FY 2019, are 14.24%, 16.24%, and 17.24%, respectively. Similarly, the actual member contribution rates in effect for FY 2017, FY 2018, and FY 2019, are 9.24%, 9.75%, and 9.75%, respectively.

The funding period for 2017 is determined on an actuarial value of asset basis and is based on the contribution rate scheduled to become effective for FY 2019 (i.e. beginning July 1, 2018 and ending June 30, 2019).



² The employer contribution rates shown above include the cost of incidental death benefits.

Retirement System for Judges and Solicitors (JSRS)

Executive Summary

Valu	ation Date:	July 1, 2017	July 1, 2016
Mem	bership		
•	Number of		
	- Active members ¹	160	157
	- Retirees and beneficiaries	191	187
	- DROP and Retired-in-Place members	22	23
	- Inactive members	3	2
	- Total	354	346
•	Projected payroll of active members	\$22,347	\$21,958
Cont	ribution Rates		
•	Employer contribution rate	52.49% ²	49.42% ³
•	Member	10.00%	10.00%
Asse	ts		
•	Market value	\$152,151	\$140,717
•	Actuarial value	160,189	158,837
•	Return on market value	11.8%	-0.7%
•	Return on actuarial value	4.0%	3.6%
•	Ratio of actuarial to market value of assets	105.3%	112.9%
•	External cash flow %	-3.3%	-3.3%
Actu	arial Information		
•	Normal cost %	29.30%	27.69%
•	Actuarial accrued liability (AAL)	\$295,630	\$283,304
•	Unfunded actuarial accrued liability (UAAL)	135,441	124,467
•	Funded ratio	54.2%	56.1%
•	Funding period (years)	30	30
Reco	nciliation of UAAL		
•	Beginning of Year UAAL	\$124,467	\$111,692
	- Interest on UAAL	9,341	8,377
	- Amortization payment	(8,675)	(7,609)
	- Assumption/method changes	9,577	6,102
	- Asset experience	5,410	6,129
	- COLA	(5,276)	907
	- Salary experience	(409)	(2,346)
	- Other liability experience	1,006	1,215
	- Legislative Changes	0	0
•	End of Year UAAL	\$135,441	\$124,467

 $^{^{\}rm 1}$ Active member counts include unfilled positions and members in DROP or Retired-in-Place.

³ The Board elected to make the contribution rate determined by the July 1, 2016 valuation effective for the fiscal year beginning July 1, 2017.



² The contribution rate determined by the July 1, 2017 actuarial valuation is certified by the Board to be effective for the fiscal year beginning July 1, 2018. The contribution rate includes the cost of incidental death benefits

Retirement System for Members of the General Assembly of the State of South Carolina (GARS)

Executive Summary

Valuation Date:	July 1, 2017	July 1, 2016
Membership • Number of		
- Active positions	87	102
- Special contributors	19	17
- Retirees and beneficiaries	354	358
- Inactive members	35	32
- Total	495	509
Projected payroll	\$1,961	\$2,316
Contribution Requirement		
Member contribution rate	11.00%	11.00%
Employer contribution requirement	\$5,804 ¹	\$5,428 ²
Assets		
Market value	\$31,789	\$30,188
Actuarial value	34,887	35,926
Return on market value	10.5%	-0.8%
Return on actuarial value	1.8%	1.6%
Ratio - actuarial value to market value	109.7%	119.0%
External cash flow %	-5.5%	-6.4%
Actuarial Information		
Normal cost %	23.77%	22.91%
Actuarial accrued liability (AAL)	\$74,855	\$74,996
Unfunded actuarial accrued liability (UAAL)	39,968	39,070
Funded ratio	46.6%	47.9%
Funding period from the valuation date	10 Years	11 Years
Reconciliation of UAAL		
Beginning of Year UAAL	\$39,070	\$37,197
- Interest on UAAL	2,930	2,790
- Amortization payment	(4,593)	(4,542)
- Assumption change	1,510	808
- Asset experience	1,851	2,099
- Liability experience	(800)	718
- Legislative changes	0	0
End of Year UAAL	39,968	\$39,070

¹ The contribution requirement determined by the July 1, 2017 valuation is subject to adoption by the Board before becoming effective for the fiscal year beginning July 1, 2019. Note, the Board also has the authority to make the contribution requirement effective for the fiscal year beginning July 1, 2018.

² The contribution requirement determined by the July 1, 2016 valuation was adopted by the Board to be effective for the fiscal year beginning July 1, 2017.



South Carolina National Guard Supplemental Retirement Plan (SCNG)

Executive Summary

Valuation Date:	July 1, 2017	July 1, 2016
Membership		
Number of		
- Active Members	12,116	12,253
- Retirees and Beneficiaries	4,789	4,709
- Inactive Members	1,901	1,969
- Total	18,806	18,931
Annual Required Contribution		
Member	\$0	\$0
Employer contribution ¹	\$5,290	\$4,814
Assets		
Market value	\$26,036	\$23,350
Actuarial value	27,807	26,751
Return on market value	10.8%	-0.6%
Return on actuarial value	3.4%	2.9%
Ratio - actuarial value to market value	106.8%	114.6%
External cash flow %	0.7%	1.2%
Actuarial Information		
Normal cost	\$819	\$763
Actuarial accrued liability (AAL)	66,506	64,445
Unfunded actuarial accrued liability (UAAL)	38,699	37,694
Funded ratio	41.8%	41.5%
Amortization period ²	19	17
Reconciliation of UAAL		
Beginning of Year UAAL	\$37,694	\$36,414
- Interest on UAAL	2,827	2,731
- Amortization payment	(4,115)	(4,194)
- Assumption/method changes	1,829	2,276
- Asset experience	1,123	1,197
- Other liability experience	(659)	(730)
- Legislative changes	0	0
End of Year UAAL	\$38,699	\$37,694

¹ The contribution amount determined by the actuarial valuation is effective for the following fiscal year.

² There are four years remaining in the amortization of the unfunded liability attributable to due to the 2006 legislation change and 19 years remaining in the amortization of the unfunded liability due to other plan experience. The 17 year amortization period disclosed for 2016 is a blended amortization period. The change in the disclosure method is to better communicate when the plan is expected to attain a 100% funded ratio.

